

# Conductivity Standard Quality Control Certificate

**Mettler-Toledo, LLC**

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## Nominal Specifications:

Conductivity Standard Solution:	12.88 mS/cm
Order Number:	63056132 (C1051500)

## Buffer Properties:

Actual Conductivity:	12.90 mS/cm (Uncertainty of $\pm 1\%$ at 25°C)
Lot Number Solution:	17A275009
Buffer Substance:	Sodium Chloride, CAS # 7647-14-5
Production Date:	January, 27, 2017
Expiry Date:	January, 27, 2019

## Traceability:

For the calibration of the value of our buffer or electrolyte solutions, the potentiometric measuring instruments were calibrated using one or two different reference buffer or electrolyte solutions, based on primary reference materials of the NIST<sup>1</sup>.

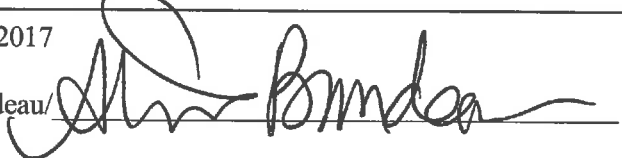
The National Metrology Institutes compare their measurement capabilities periodically in the key comparisons within the "Mutual Recognition Arrangement of National Measurement Standards and of Calibration Certificates issued by National Metrology Institutes (CIPM-MRA)". The international comparability, harmonization and the equivalence of their measurement capabilities are therefore ensured.

This guarantees a flawless traceability of the certified pH buffer values to NIST along with our Quality Management System. The certification is done for each lot.

### Standards:

NIST Standard solution value:	6.67 mS/cm	24.82 mS/cm
NIST-traceable solid standard:	Potassium Chloride (99.998% assay)	
NIST SRM:	999	

<sup>1</sup> National Institute of Standards and Technology, Gaithersburg, USA

Date Certificate Issued:	February, 08, 2017
Quality Control (Print/Sign) Name	x Alicia Bourdeau/ 

**METTLER TOLEDO**

